# ReadID Supported
# Identity Documents

*Summary*

# Colophon

## Synopsis

This document provides an overview of passports and identity cards from all countries whether ReadID can read and verify their NFC chips, plus the same for European residence permits.

This document is a summary of a more elaborate whitepaper on coverage of ReadID for different types of identity documents. Contrary to the whitepaper, this summary is public and can be shared without an NDA.

Please be aware that ReadID can scan the Machine Readable Zone (optical character recognition) of all ICAO 9303 compliant passports and identity cards.

Inverid does not guarantee the correctness of this overview.

**inverid**

# Table of contents

# 1 Introduction

Since 1980, the International Civil Aviation Organization (ICAO, part of UN) standardizes travel documents for international interoperability. The ICAO DOC 9303[1] *Machine Readable Travel Documents* specifies the technical details, including printing and physical details. Further it also specifies the details on the embedded contactless (NFC) chip including biographical and biometrical data stored in the chip and the digital signatures for securing the data in the chip, which is most relevant for ReadID. A travel document with an embedded chip, is called the electronic Machine-Readable Travel Document (eMRTD) and may carry the symbol in Figure 1.



*Figure 1. eMRTD chip symbol*

Nowadays, many passports, identity cards, and residence permits have an embedded contactless eMRTD (Near Field Communication, or NFC) chip. Used terms for this include ePassport, biometric passport, electronic identity card (eID)[2] or biometric identity card. We'll use the terms ePassport and electronic identity card (or eID) in this whitepaper. In some countries like UK, a residence permit with the eMRTD chip is called the biometric residence permit.

## 1.1 ICAO 9303 BASICS AND SUPPORT IN READID

Countries have adopted to ICAO 9303 standards quickly in the last decades. Malaysia was the first country in the world to issue ePassports in 1998. By the end of 2008, there were already 62 countries and regions issuing ePassports[3]. This number doubled to 120 by 2017, with 80% of all passports being ePassports[4]. Currently, in 2025, there are 178 countries and regions issuing ePassports based on our study. In the European Economic Area (EEA)5, all member states, except Denmark and Liechtenstein, issue electronic identity cards; and all member states, except Iceland and Liechtenstein, issue ICAO 9303 compliant residence permits. There are few other countries outside the EEA that also implemented electronic identity cards. In total, we have seen 37 countries and regions outside the EEA have issued ICAO compliant electronic identity cards. Identity cards from the countries outside EEA are often used domestically and are not as travel documents to cross the borders. There is less needs to compliant to an international standard like ICAO 9303.

ICAO eMRTDs, for example ePassports, eIDs, or residence permits with eMRTD chips, control the access to the data in the contactless chips using Basic Access Control (BAC) and/or the newer Password Authenticated Connection Establishment (PACE). eMRTDs sometimes have a third access control mechanism called Terminal Authentication (TA, or also called EAC-TA) for securing access to the fingerprint data in the chip. This is however rarely used. ReadID supports BAC and PACE, but currently did not productize support for Terminal Authentication (TA). Getting access to the required certificates from the using country to read fingerprints is not an option in reality. There has not been demand for TA from customers.

There are two cloning detection mechanisms: Active Authentication (AA) and Chip Authentication (CA, or also sometimes called EAC-CA). Cloning detection can be used for any identity document reader to check whether the document is a genuine copy or not. An eMRTD may implement Active Authentication, Chip Authentication, both, or no cloning detection. A document without cloning detection is often, but not always, an older document. ReadID supports both Active Authentication and Chip Authentication.

---

[1] International Civil Aviation Organization (ICAO) Doc 9303 Machine Readable Travel Documents https://www.icao.int/publications/pages/publication.aspx?docnum=9303

[2] From Wikipedia (September 10, 2021): https://en.wikipedia.org/wiki/Electronic_identification

[3] https://web.archive.org/web/20170406111611/http://findbiometrics.com/over-60-countries-now-issuing-epassports-2/

[4] https://www.secureidnews.com/wp-content/uploads/2017/01/NXP-white-paper-the-future-of-epassports.pdf

[5] The European Economic Area consists of all EU countries plus Norway, Iceland, and Liechtenstein. These additional countries follow the EU regulations/directives on a.o. identity documents.

All information stored on the eMRTD is digitally signed by the issuing country's Country Signing Certificate Authority (CSCA). An identity document reader can check the authenticity of the passport, but only if it has the corresponding public key certificate in its list of trusted certificates. The check of the digital signature consists of three sub-parts: checking the hashes (HT), checking an intermediate certificate (DS) and checking the country certificate itself. The combination of the three is called passive authentication. ReadID supports this.

To know more about access control, cloning detection, and authenticity mechanisms, please read the blogs on these security mechanisms[6,7, 8] on the Inverid website.

In the following chapters, we will present the ReadID coverage overview for passports and the identity cards worldwide. Then, we zoom into European and African identity documents, as requested by most of our customers. If you wish to know more about the identity documents from the other continents, please contact us via documents@inverid.com.

## 1.2   DISCLAIMER

There is basically no authoritative source of all identity documents, and certainly not a publicly available one that contains details on the contactless chip implementation. In addition, this is a moving target. We combined knowledge from public sources, non-public sources, internal and customer testing, and ReadID Analytics[9] data to make the overview in this whitepaper. There however may be mistakes or missing information in the overview, and we provide this overview as-is, without any form of guarantee. We always appreciate your feedback on any mistakes or outdated information via documents@inverid.com.

Copyright for this white paper is with Inverid. Full or partial copies are not allowed without written permission of Inverid.

---

[6] Privacy-related security mechanisms for ePassports (https://readid.com/blog/Privacy-related-security-mechanisms-for-ePassports ).
[7] Cloning detection for ePassports (https://readid.com/blog/Cloning-detection-for-ePassports).
[8] Authenticity of ePassports (https://readid.com/blog/Authenticity-of-ePassports).
[9] ReadID Analytics contains anonymous logging information that we use to improve ReadID, including if an MRZ scan or NFC read was successful and characteristics of the chip.

# 2 ReadID Coverage of Passports

In this chapter, we present the coverage overview for ordinary passports per country. Ordinary passports are the far majority of passports. The special passports for diplomats, officers, seaman, and refugees are out of scope here.

Figure 2 depicts the ReadID coverage for passports, focusing on 'ordinary' passport. We have specified the following categories:

- Read & verify (**Dark green**): ReadID can read and verify all passports from the country. ReadID has the complete list of country signing certificates (CSC) to verify the passports by default.
- Read & partially verify (**Middle green**): ReadID can read all passports and have some country signing certificates to verify part of the passports.
- Read only (**Light green**): ReadID can read all passports but does not have required country signing certificates to verify them.
- No chip (**Light gray**): Passports have no contactless chip.
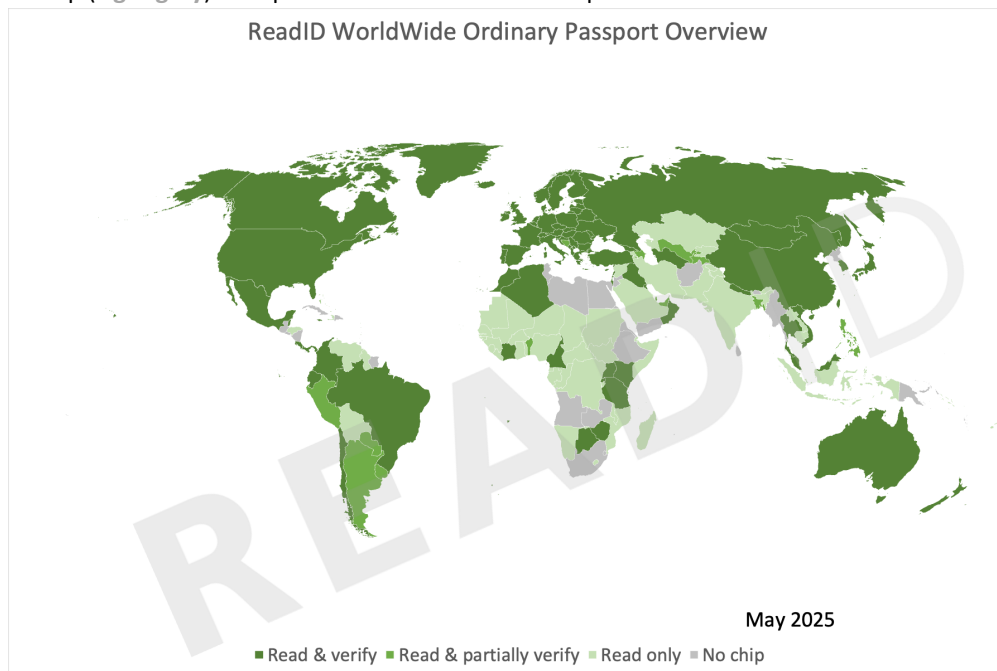


*Figure 2. ReadID coverage on ordinary passports worldwide (May 2025)*

We list the overview also in Table 1.

**Annotation of the columns of the table:**

**Country Name**: The name of the country

**3-letter code**: Country code shown in MRZ. Based on the ICAO 9303 standard, the country code in MRZ is based on ISO 3166[10]. Germany is the only exception to use "D<<" instead of ISO 3166/MA.

**Status**: the status of support by ReadID.

*Table 1. ReadID coverage per country for ordinary passports*

| Country Name | 3-letter Code | Status |
|---|---|---|
| **Afghanistan** | AFG | No chip |

---

[10] https://www.iso.org/iso-3166-country-codes.html

| Country Name | 3-letter Code | Status |
|---|---|---|
| Albania | ALB | Read & verify |
| Algeria | DZA | Read & verify |
| Andorra | AND | Read & verify |
| Angola | AGO | No chip |
| Anguilla[11] | AIA | Read & verify |
| Antigua and Barbuda | ATG | Read & partially verify |
| Argentina | ARG | Read & partially verify |
| Armenia | ARM | Read only |
| Australia | AUS | Read & verify |
| Austria | AUT | Read & verify |
| Azerbaijan | AZE | Read & partially verify |
| Bahamas | BHS | Read & partially verify |
| Bahrain | BHR | Read & verify |
| Bangladesh | BGD | Read & partially verify |
| Barbados | BRB | Read & verify |
| Belarus | BLR | Read & verify |
| Belgium | BEL | Read & verify |
| Belize | BLZ | Read & verify |
| Benin | BEN | Read & partially verify |
| Bermuda[11] | BMU | Read & verify |
| Bhutan | BTN | No chip |
| Bolivia (Plurinational State of) | BOL | Read & partially verify |
| Bosnia and Herzegovina | BIH | Read & partially verify |
| Botswana | BWA | Read & verify |
| Brazil | BRA | Read & verify |
| British Virgin Islands[11] | VGB | Read & verify |
| Brunei Darussalam | BRN | Read only |
| Bulgaria | BGR | Read & verify |
| Burkina Faso | BFA | Read only |
| Burundi | BDI | Read only |
| Cambodia | KHM | Read only |
| Cameroon | CMR | Read & verify |
| Canada | CAN | Read & verify |
| Cape Verde | CPV | Read only |
| Cayman Island | CYM | Read & verify |
| Central African Republic | CAF | Read only |
| Chad | TCD | Read only |
| Chile | CHL | Read & verify |
| China | CHN | Read & verify |
| Colombia | COL | Read & verify |
| Comoros | COM | Read only |
| Congo (Democratic Republic of the) | COD | Read only |

---

[11] Since 2015, Great Britain issues the passports for its oversea territories. The issuing state is Great Britain (GBR in MRZ). The nationality is stated as British nationals overseas (Stated as GBR in MRZ).

**ınverid**

| Country Name | 3-letter Code | Status |
|---|---|---|
| Costa Rica | CRI | Read & verify |
| Côte d'Ivoire | CIV | Read & verify |
| Croatia | HRV | Read & verify |
| Cuba | CUB | No chip |
| Cyprus | CYP | Read & verify |
| Czech Republic | CZE | Read & verify |
| Denmark | DNK | Read & verify |
| Djibouti | DJI | Read only |
| Dominica | DMA | Read & verify |
| Dominican Republic | DOM | No chip |
| Ecuador | ECU | Read & verify |
| Egypt | EGY | No chip |
| El Salvador | SLV | No chip |
| Equatorial Guinea | GNQ | Read only |
| Eritrea | ERI | No chip |
| Estonia | EST | Read & verify |
| Ethiopia | ETH | No chip |
| Faroe Islands[12] | FRO | Read & verify |
| Fiji | FJI | Read only |
| Finland | FIN | Read & verify |
| France | FRA | Read & verify |
| Gabon | GAB | Read only |
| Gambia | GMB | Read only |
| Georgia | GEO | Read & verify |
| Germany | D<< | Read & verify |
| Ghana | GHA | Read only |
| Gibraltar[13] | GIB | Read & verify |
| Greece | GRC | Read & verify |
| Greenland[12] | GRL | Read & verify |
| Grenada | GRD | Read only |
| Guatemala | GTM | No chip |
| Guernsey[13] | GGY | Read & verify |
| Guinea | GIN | Read only |
| Guinea-Bissau | GNB | Read only |
| Guyana | GUY | Read only |
| Haiti | HTI | Read only |
| Honduras | HND | Read only |
| Hongkong | CHN | Read & verify |
| Hungary | HUN | Read & verify |
| Iceland | ISL | Read & verify |

[12] Denmark issues the passports for Faroe Islands and Greenland. The issuing state is Denmark (DNK in MRZ). The nationality is stated as Danish (Stated as DNK in MRZ).

[13] Since 2015, Great Britain issues the passports for its oversea territories. The issuing state is Great Britain (GBR in MRZ). The nationality is stated as British nationals overseas (Stated as GBR in MRZ).

1nverid

| Country Name | 3-letter Code | Status |
|---|---|---|
| India[14] | IND | Read only |
| Indonesia | IDN | Read only |
| Iran (Islamic Republic of) | IRN | Read only |
| Iraq | IRQ | Read only |
| Ireland | IRL | Read & verify |
| Isle of Man[15] | IMN | Read & verify |
| Israel | ISR | Read & verify |
| Italy | ITA | Read & verify |
| Jamaica | JAM | Read & verify |
| Japan | JPN | Read & verify |
| Jersey[15] | JEY | Read & verify |
| Jordan | JOR | No chip |
| Kazakhstan | KAZ | Read & partially verify |
| Kenya | KEN | Read & verify |
| Kiribati | KIR | No chip |
| Korea (Democratic People's Republic of) | PRK | No chip |
| Korea (Republic of) | KOR | Read & verify |
| Kosovo | XKX | Read & verify |
| Kuwait | KWT | Read & verify |
| Kyrgyzstan | KGZ | Read only |
| Lao People's Democratic Republic | LAO | Read only |
| Latvia | LVA | Read & verify |
| Lebanon | LBN | Read & verify |
| Lesotho | LSO | Read only |
| Liberia | LBR | Read only |
| Libya | LBY | No chip |
| Liechtenstein | LIE | Read & verify |
| Lithuania | LTU | Read & verify |
| Luxembourg | LUX | Read & verify |
| Macao | CHN | Read & verify |
| Macedonia | MKD | Read & verify |
| Madagascar | MDG | Read only |
| Malawi | MWI | Read only |
| Malaysia | MYS | Read & verify |
| Maldives | MDV | Read only |
| Mali | MLI | Read only |
| Malta | MLT | Read & verify |
| Marshall Islands (Republic of) | MHL | No chip |
| Mauritania | MRT | Read only |

[14] India issues ePassports to diplomats and officials. India has slowly rolled out the ePassport to ordinary citizens. The pilot project was launched in the region of Bhubaneswar and since April 1, 2024. The project was successful and by August 2024, there were more than 9000 ePassports issued. Later more regions have followed. Since March 2025, Tamil Nadu has also started to issue ePassport. By the end of March 2025, more than 20700 ePassports has issued across Tamil Nadu.
[15] Since 2015, Great Britain issues the passports for its oversea territories. The issuing state is Great Britain (GBR in MRZ). The nationality is stated as British nationals overseas (Stated as GBR in MRZ).

1nverid

| Country Name | 3-letter Code | Status |
|---|---|---|
| **Mauritius** | MUS | No chip |
| **Mexico** | MEX | Read & verify |
| **Micronesia** | FSM | No chip |
| **Moldova (Republic of)** | MDA | Read & verify |
| **Monaco** | MCO | Read & verify |
| **Mongolia** | MNG | Read & verify |
| **Montenegro** | MNE | Read & verify |
| Montserrat[16] | MSR | Read & verify |
| **Morocco** | MAR | Read & verify |
| **Mozambique** | MOZ | Read only |
| **Myanmar** | MMR | No chip |
| **Namibia** | NAM | Read only |
| **Nauru** | NRU | No chip |
| **Nepal** | NPL | Read & verify |
| **Netherlands** | NLD | Read & verify |
| **New Zealand** | NZL | Read & verify |
| **Nicaragua** | NIC | No chip |
| **Niger** | NER | Read only |
| **Nigeria** | NGA | Read only |
| **Norway** | NOR | Read & verify |
| **Oman** | OMN | Read & verify |
| **Pakistan** | PAK | Read only |
| **Palau** | PLW | No chip |
| **Palestine, State of** | PSE | Read only |
| **Panama** | PAN | Read & verify |
| **Papua New Guinea** | PNG | No chip |
| **Paraguay** | PRY | Read & partially verify |
| **Peru** | PER | Read & partially verify |
| **Philippines** | PHL | Read & partially verify |
| **Poland** | POL | Read & verify |
| Polynesia, French[17] | FRA | Read & verify |
| **Portugal** | PRT | Read & verify |
| **Qatar** | QAT | Read & partially verify |
| **Republic of the Congo** | COG | Read only |
| **Romania** | ROU | Read & verify |
| **Russian Federation** | RUS | Read & verify |
| **Rwanda** | RWA | Read & verify |
| Saint Helena[16] | SHN | Read & verify |
| **Saint Kitts and Nevis** | KNA | Read only |
| **Saint Lucia** | LCA | No chip |

[16] Since 2015, Great Britain issues the passports for its oversea territories. The issuing state is Great Britain (GBR in MRZ). The nationality is stated as British nationals overseas (Stated as GBR in MRZ).

[17] Since July 2019, French Polynesia citizens can apply for French biometric passports. There is no further details on these passports. We assume it has the issuing state of France (FRA in MRZ). It is unclear whether French oversea is stated anywhere in the passport.

**1nverid**

| Country Name | 3-letter Code | Status |
|---|---|---|
| Saint Vincent and the Grenadines | VCT | Read & verify |
| Samoa | WSM | No chip |
| San Marino | SMR | Read only |
| Sao Tome and Principe | STP | Read only |
| Saudi Arabia | SAU | Read only |
| Senegal | SEN | Read only |
| Serbia | SRB | Read & verify |
| Seychelles | SYC | Read & verify |
| Sierra Leone | SLE | Read only |
| Singapore | SGP | Read & verify |
| Slovakia | SVK | Read & verify |
| Slovenia | SVN | Read & verify |
| Solomon Islands | SLB | Read only |
| Somalia | SOM | Read only |
| South Africa | ZAF | No chip |
| South Sudan | SSD | Read only |
| Spain | ESP | Read & verify |
| Sri Lanka | LKA | No chip |
| Sudan | SDN | Read only |
| Suriname | SUR | No chip |
| Swaziland | SWZ | No chip |
| Sweden | SWE | Read & verify |
| Switzerland | CHE | Read & verify |
| Syrian Arab Republic | SYR | Read only |
| Taiwan | TWN | Read & verify |
| Tajikistan | TJK | Read & partially verify |
| Tanzania | TZA | Read & partially verify |
| Thailand | THA | Read & verify |
| Timor-Leste | TLS | Read & partially verify |
| Togo | TGO | Read only |
| Tonga | TON | No chip |
| Trinidad and Tobago | TTO | No chip |
| Tunisia | TUN | No chip |
| Turkey | TUR | Read & verify |
| Turkmenistan | TKM | Read & verify |
| Turks and Caicos Islands[18] | TCA | Read & verify |
| Tuvalu | TUV | No chip |
| Uganda | UGA | Read & verify |
| Ukraine | UKR | Read & verify |
| United Arab Emirates | ARE | Read & partially verify |
| United Kingdom of Great Britain and Northern Ireland | GBR | Read & verify |

[18] Since 2015, Great Britain issues the passports for its oversea territories. The issuing state is Great Britain (GBR in MRZ).
The nationality is stated as British nationals overseas (Stated as GBR in MRZ).

inverid

| Country Name | 3-letter Code | Status |
| --- | --- | --- |
| **United States of America** | USA | Read & verify |
| **Uruguay** | URY | Read & partially verify |
| **Uzbekistan** | UZB | Read & partially verify |
| **Vanuatu** | VUT | No chip |
| **Vatican City State** | VAT | Read & verify |
| **Venezuela (Bolivarian Republic of)** | VEN | Read only |
| **Viet Nam** | VNM | Read & verify |
| **Yemen** | YEM | No chip |
| **Zambia** | ZMB | No chip |
| **Zimbabwe** | ZWE | Read & verify |

# 3 ReadID Coverage of Identity Cards

Countries which are geographically located close by tend to follow the similar rules to issue identity cards. For example, most of European countries are in favour of identity cards with contactless chips. Many northern and western African countries do the same, while the rest of the African countries issue either no identity card or identity cards without contactless chip. Australian and Oceanian countries issue no identity card, except Tongo issues identity cards without contactless chips. In Table 2 we provide an ReadID coverage on the identity cards worldwide.

*Table 2. ReadID coverage per country for identity cards*

| Country Name | 3-letter Code | Status |
|---|---|---|
| Afghanistan | AFG | No chip |
| Albania | ALB | Read & verify |
| Algeria | DZA | Read & verify |
| Andorra | AND | No identity cards |
| Angola | AGO | No chip |
| Anguilla | AIA | No identity cards |
| Antigua and Barbuda | ATG | No identity cards |
| Argentina | ARG | No chip |
| Armenia | ARM | No identity cards |
| Australia | AUS | No identity cards |
| Austria | AUT | Read & verify |
| Azerbaijan | AZE | Read & partially verify |
| Bahamas | BHS | No identity cards |
| Bahrain | BHR | Read & verify |
| Bangladesh | BGD | No identity cards |
| Barbados | BRB | Read & verify |
| Belarus | BLR | Read & verify |
| Belgium | BEL | Read & verify |
| Belize | BLZ | No identity cards |
| Benin | BEN | Read & verify |
| Bermuda | BMU | No identity cards |
| Bhutan | BTN | No chip |
| Bolivia (Plurinational State of) | BOL | No chip |
| Bosnia and Herzegovina | BIH | Read & partially verify |
| Botswana | BWA | No chip |
| Brazil | BRA | No chip |
| British Virgin Islands | VGB | No identity cards |
| Brunei Darussalam | BRN | No chip |
| Bulgaria | BGR | Read & verify |
| Burkina Faso | BFA | Read only |
| Burundi | BDI | No identity cards |
| Cambodia | KHM | No chip |
| Cameroon | CMR | No chip |
| Canada | CAN | No identity cards |
| Cape Verde | CPV | No chip |

inverid

| Country Name | 3-letter Code | Status |
| --- | --- | --- |
| Cayman Island | CYM | No identity cards |
| Central African Republic | CAF | No identity cards |
| Chad | TCD | Read only |
| Chile | CHL | Read & partially verify |
| China | CHN | Not supported |
| Colombia | COL | No chip |
| Comoros | COM | No chip |
| Congo (Democratic Republic of the) | COD | No identity cards |
| Costa Rica | CRI | No chip |
| Côte d'Ivoire | CIV | Read only |
| Croatia | HRV | Read & verify |
| Cuba | CUB | No chip |
| Cyprus | CYP | Read & verify |
| Czech Republic | CZE | Read & verify |
| Denmark | DNK | No identity cards |
| Djibouti | DJI | Read only |
| Dominica | DMA | No identity cards |
| Dominican Republic | DOM | No chip |
| Ecuador | ECU | Read & partially verify |
| Egypt | EGY | No chip |
| El Salvador | SLV | No chip |
| Equatorial Guinea | GNQ | No identity cards |
| Eritrea | ERI | No chip |
| Estonia | EST | Read & verify |
| Ethiopia | ETH | No chip |
| Faroe Islands | FRO | No identity cards |
| Fiji | FJI | No identity cards |
| Finland | FIN | Read & verify |
| France | FRA | Read & verify |
| Gabon | GAB | No chip |
| Gambia | GMB | No identity cards |
| Georgia | GEO | Read & verify |
| Germany | D<< | Read & verify |
| Ghana | GHA | Read only |
| Gibraltar | GBR | Read only |
| Greece | GRC | Read & verify |
| Greenland | GRL | No identity cards |
| Grenada | GRD | No identity cards |
| Guatemala | GTM | No chip |
| Guernsey | GGY | No identity cards |
| Guinea | GIN | No identity cards |
| Guinea-Bissau | GNB | Read only |
| Guyana | GUY | No chip |
| Haiti | HTI | Read only |

**inverid**

| Country Name | 3-letter Code | Status |
|---|---|---|
| Honduras | HND | No chip |
| Hongkong | CHN | No chip |
| Hungary | HUN | Read & verify |
| Iceland | ISL | Read & verify |
| India | IND | No chip |
| Indonesia | IDN | No chip |
| Iran (Islamic Republic of) | IRN | No chip |
| Iraq | IRQ | Read only |
| Ireland | IRL | Read & verify |
| Isle of Man | IMN | No identity cards |
| Israel | ISR | No chip |
| Italy | ITA | Read & verify |
| Jamaica | JAM | No identity cards |
| Japan | JPN | No identity cards |
| Jersey | JEY | No identity cards |
| Jordan | JOR | Not supported |
| Kazakhstan | KAZ | Read only |
| Kenya | KEN | Read only |
| Kiribati | KIR | No identity cards |
| Korea (Democratic People's Republic of) | PRK | No identity cards |
| Korea (Republic of) | KOR | No chip |
| Kosovo | XKX | Read & verify |
| Kuwait | KWT | No chip |
| Kyrgyzstan | KGZ | Read only |
| Lao People's Democratic Republic | LAO | No chip |
| Latvia | LVA | Read & verify |
| Lebanon | LBN | No chip |
| Lesotho | LSO | No identity cards |
| Liberia | LBR | No identity cards |
| Libya | LBY | No identity cards |
| Liechtenstein | LIE | No chip |
| Lithuania | LTU | Read & verify |
| Luxembourg | LUX | Read & verify |
| Macao | CHN | Not supported |
| Macedonia | MKD | No chip |
| Madagascar | MDG | No identity cards |
| Malawi | MWI | No chip |
| Malaysia | MYS | Not supported |
| Maldives | MDV | Not supported |
| Mali | MLI | No chip |
| Malta | MLT | Read & verify |
| Marshall Islands (Republic of) | MHL | No identity cards |
| Mauritania | MRT | Read only |
| Mauritius | MUS | No chip |

| Country Name | 3-letter Code | Status |
|---|---|---|
| Mexico | MEX | Read & verify |
| Micronesia | FSM | No identity cards |
| Moldova (Republic of) | MDA | Read & verify |
| Monaco | MCO | No chip |
| Mongolia | MNG | No chip |
| Montenegro | MNE | Read & verify |
| Montserrat | MSR | No identity cards |
| Morocco | MAR | Read only |
| Mozambique | MOZ | No chip |
| Myanmar | MMR | No identity cards |
| Namibia | NAM | No chip |
| Nauru | NRU | No identity cards |
| Nepal | NPL | No chip |
| Netherlands | NLD | Read & verify |
| New Zealand | NZL | No identity cards |
| Nicaragua | NIC | No identity cards |
| Niger | NER | No identity cards |
| Nigeria | NGA | No chip |
| Norway | NOR | Read & verify |
| Oman | OMN | Not supported |
| Pakistan | PAK | No chip |
| Palau | PLW | No identity cards |
| Palestine, State of | PSE | No chip |
| Panama | PAN | No chip |
| Papua New Guinea | PNG | No identity cards |
| Paraguay | PRY | No chip |
| Peru | PER | Read only |
| Philippines | PHL | Read only |
| Poland | POL | Read & verify |
| Polynesia, French | FRA | No identity cards |
| Portugal | PRT | Read & verify |
| Qatar | QAT | No chip |
| Republic of the Congo | COG | No chip |
| Romania | ROU | Read & verify |
| Russian Federation | RUS | No chip |
| Rwanda | RWA | No chip |
| Saint Helena | SHN | No identity cards |
| Saint Kitts and Nevis | KNA | No identity cards |
| Saint Lucia | LCA | No identity cards |
| Saint Vincent and the Grenadines | VCT | No identity cards |
| Samoa | WSM | No identity cards |
| San Marino | SMR | Read only |
| Sao Tome and Principe | STP | No identity cards |
| Saudi Arabia | SAU | No chip |

inverid

| Country Name | 3-letter Code | Status |
| --- | --- | --- |
| Senegal | SEN | Read only |
| Serbia | SRB | No chip |
| Seychelles | SYC | No chip |
| Sierra Leone | SLE | Read only |
| Singapore | SGP | No chip |
| Slovakia | SVK | Read & verify |
| Slovenia | SVN | Read & verify |
| Solomon Islands | SLB | No identity cards |
| Somalia | SOM | No chip |
| South Africa | ZAF | No chip |
| South Sudan | SSD | No chip |
| Spain | ESP | Read & verify |
| Sri Lanka | LKA | No identity cards |
| Sudan | SDN | No chip |
| Suriname | SUR | Read only (Android only) |
| Swaziland | SWZ | No identity cards |
| Sweden | SWE | Read & verify |
| Switzerland | CHE | No chip |
| Syrian Arab Republic | SYR | No chip |
| Taiwan | TWN | No chip |
| Tajikistan | TJK | No identity cards |
| Tanzania | TZA | No identity cards |
| Thailand | THA | No chip |
| Timor-Leste | TLS | Read only |
| Togo | TGO | No identity cards |
| Tonga | TON | No chip |
| Trinidad and Tobago | TTO | No chip |
| Tunisia | TUN | No chip |
| Turkey | TUR | No identity cards |
| Turkmenistan | TKM | No identity cards |
| Turks and Caicos Islands | TCA | No identity cards |
| Tuvalu | TUV | No identity cards |
| Uganda | UGA | No identity cards |
| Ukraine | UKR | Read & verify |
| United Arab Emirates | ARE | Not supported |
| United Kingdom of Great Britain and Northern Ireland | GBR | No identity cards |
| United States of America | USA | Not supported |
| Uruguay | URY | Read & partially verify |
| Uzbekistan | UZB | No identity cards |
| Vanuatu | VUT | No identity cards |
| Vatican City State | VAT | No identity cards |
| Venezuela (Bolivarian Republic of) | VEN | No chip |
| Viet Nam | VNM | Read only |

1nverid

| Country Name | 3-letter Code | Status |
|---|---|---|
| **Yemen** | YEM | No identity cards |
| **Zambia** | ZMB | No identity cards |
| **Zimbabwe** | ZWE | No identity cards |

**1nverid**

# 4 ReadID Coverage of Passports in Europe

Passports from EU countries are well regulated. All valid ordinary passports from EEA, UK, and Switzerland are ICAO-compliant. ReadID can therefore read and verify all the passports from above mentioned countries. Figure 3 and Table 3 show the overview of ReadID passport coverage in EEA, UK, and Switzerland.
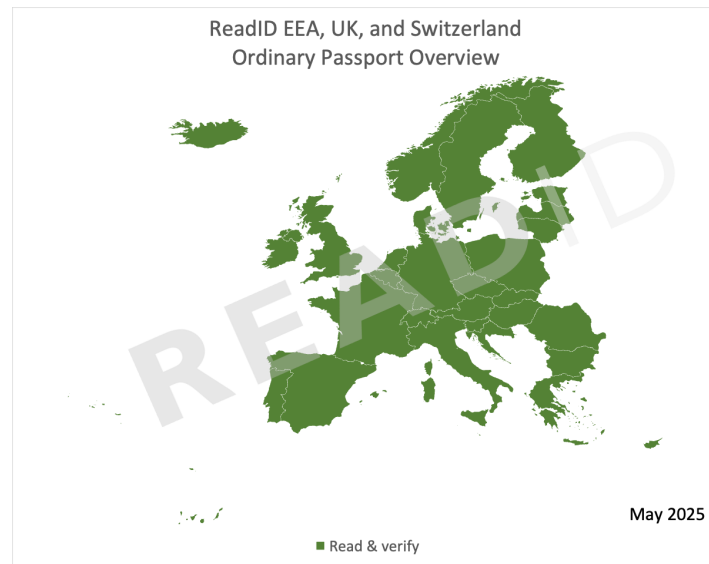


ReadID EEA, UK, and Switzerland
Ordinary Passport Overview

May 2025

■ Read & verify

*Figure 3. Geographic overview on ReadID of EEA, UK, and Switzerland passports (May 2025)*

*Table 3. ReadID coverage per country for ordinary passports in EEA, UK, and Switzerland*

| Country Name | 3-letter Code | Status |
|---|---|---|
| **Austria** | AUT | Read & verify |
| **Belgium** | BEL | Read & verify |
| **Bulgaria** | BGR | Read & verify |
| **Croatia** | HRV | Read & verify |
| **Cyprus** | CYP | Read & verify |
| **Czech Republic** | CZE | Read & verify |
| **Germany** | D<< | Read & verify |
| **Denmark** | DNK | Read & verify |
| **Estonia** | EST | Read & verify |
| **Finland** | FIN | Read & verify |
| **France** | FRA | Read & verify |
| **Greece** | GRC | Read & verify |
| **Hungary** | HUN | Read & verify |
| **Ireland** | IRL | Read & verify |
| **Italy** | ITA | Read & verify |
| **Lithuania** | LTU | Read & verify |
| **Luxembourg** | LUX | Read & verify |
| **Latvia** | LVA | Read & verify |
| **Malta** | MLT | Read & verify |

ınverid

| Country Name | 3-letter Code | Status |
|---|---|---|
| **Netherlands** | NLD | Read & verify |
| **Poland** | POL | Read & verify |
| **Portugal** | PRT | Read & verify |
| **Romania** | ROU | Read & verify |
| **Slovakia** | SVK | Read & verify |
| **Slovenia** | SVN | Read & verify |
| **Spain** | ESP | Read & verify |
| **Sweden** | SWE | Read & verify |
| **Iceland** | ISL | Read & verify |
| **Norway** | NOR | Read & verify |
| **Liechtenstein** | LIE | Read & verify |
| **Switzerland** | CHE | Read & verify |
| **United Kingdom** | GBR | Read & verify |

inverid

# 5 ReadID Coverage of Identity Cards in Europe

From August 2, 2021, onwards all European countries must issue identity cards with a machine readable zone and must comply to the ICAO Document 9303 standard. This means that from now on all European identity cards can be used with ReadID for trusted identity verification. The underlying legislation was adopted in June 2019. Meanwhile, countries not compliant to the new standard could implement it.

Not too long ago, some countries used identity cards in the form of laminated printed card bord. Easy to manipulate, making fraud a piece of cake for everybody with a printer, photoshop and a laminator. Countries such as Cyprus, Malta and France have changed their identity cards to the new standard, many others were already compliant. In the years to come one may come across an older identity card, as they are valid until they expire, but no longer than August 2031. Identity cards do not contain a functional MRZ are not valid after August 2026. But their numbers will drop rapidly.

As of June 2024, except Denmark, all EEA countries issue identity cards, and all of them are with an ICAO-compliant MRZ. ReadID can scan the MRZ of all those identity cards. ReadID supports also the MRZ of the old French identity cards with CNIS format[19]. In March and June 2024, Iceland, Portugal, and Bulgaria have released their first generation of identity cards with ICAO compliant NFC chip, respectively. Therefore, at the moment of publishing this summary, there are 28 EEA countries have released identity cards with ICAO compliant NFC chip, except Denmark and Liechtenstein. ReadID can read and verify all of them. UK does not issue identity cards yet. Switzerland issue's identity cards with ICAO-compliant MRZ, but without NFC chip.

In Figure 4 we plot the ReadID coverage of identity cards in EEA, UK, Switzerland, and Ukraine. We have specified the following categories:

- Read & verify (**Dark green**): ReadID can read and verify all identity cards from the country. ReadID has the complete list of country signing certificates (CSC) to verify the cards by default.
- No chip (**Light gray**): Cards have no contactless chip.
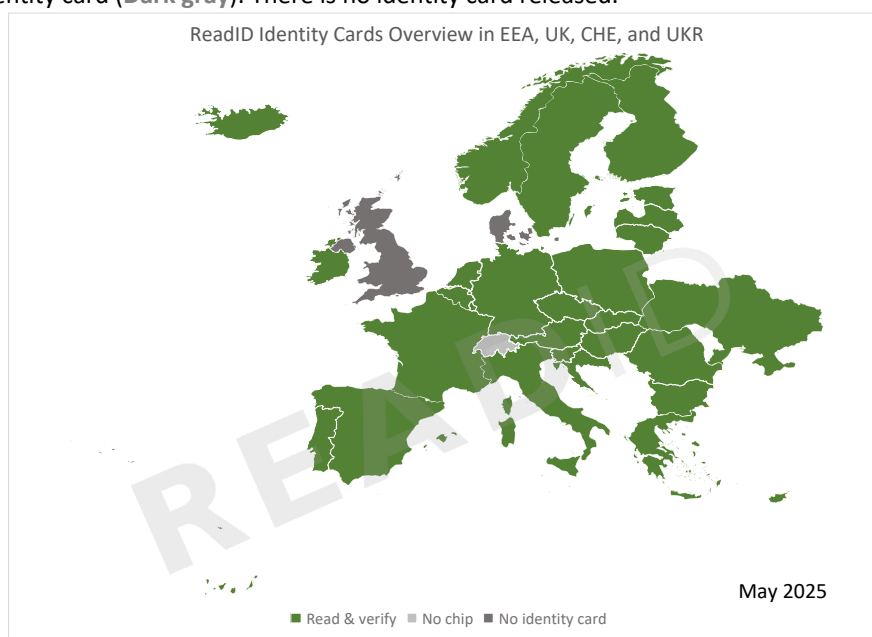- No identity card (**Dark gray**): There is no identity card released.



*Figure 4. ReadID coverage on identity cards in EEA, UK, Switzerland, and Ukraine (May 2025)*

---

[19] See https://ga.ambafrance.org/Carte-nationale-d-Identite-securisee-CNIS for more details.

*Table 4. ReadID coverage per country for ordinary identity cards in EEA, UK, Switzerland, and Ukraine*

| Country Name | 3-letter Code | Status |
| --- | --- | --- |
| **Austria** | AUT | Read & verify |
| **Belgium** | BEL | Read & verify |
| **Bulgaria** | BGR | Read & verify |
| **Croatia** | HRV | Read & verify |
| **Cyprus** | CYP | Read & verify |
| **Czech Republic** | CZE | Read & verify |
| **Germany** | D<< | Read & verify |
| **Denmark** | DNK | No identity card |
| **Estonia** | EST | Read & verify |
| **Finland** | FIN | Read & verify |
| **France** | FRA | Read & verify |
| **Greece** | GRC | Read & verify |
| **Hungary** | HUN | Read & verify |
| **Ireland**[20] | IRL | Read & verify |
| **Italy** | ITA | Read & verify |
| **Lithuania** | LTU | Read & verify |
| **Luxembourg** | LUX | Read & verify |
| **Latvia** | LVA | Read & verify |
| **Malta** | MLT | Read & verify |
| **Netherlands** | NLD | Read & verify |
| **Poland** | POL | Read & verify |
| **Portugal** | PRT | Read & verify |
| **Romania** | ROU | Read & verify |
| **Slovakia** | SVK | Read & verify |
| **Slovenia** | SVN | Read & verify |
| **Spain** | ESP | Read & verify |
| **Sweden** | SWE | Read & verify |
| **Iceland** | ISL | Read & verify |
| **Norway**[21] | NOR | Read & verify |
| **Liechtenstein** | LIE | No chip |
| **Switzerland** | CHE | No chip |
| **United Kingdom** | GBR | No identity card |
| **Ukraine**[22] | UKR | Read & verify |

---

[20] Ireland issues no identity card, but passport card, which is similar.

[21] Norway issues two types of identity cards: ones with the document code CA are valid travel documents within European Union and Schengen associated countries; ones with the document code XA are not valid travel documents.

[22] Ukraine issues no identity card, but passport card, which is similar.

1nverid

# 6 ReadID Coverage of Residence Permits in Europe

All 27 EU countries, Norway, UK, Switzerland, and Ukraine have issued ICAO-compliant regular residence permits for foreign nationals. With EEA countries, only two countries, namely Iceland and Liechtenstein, have residence permits without the ICAO-compliant chips.

ReadID is compatible to read and check whether it is a clone for all of them. ReadID can also verify all of them, except residence permits from UK. If these countries fall into your focus scope, please contact us via documents@inverid.com. We may be able to help you further with it. Figure 5 illustrates this in the geographic view.

With the enforcement of the above-mentioned Regulation (EU) 2019/1157, the residence permits for non-EU family member of the EU citizens will also be ICAO compliant over the time.
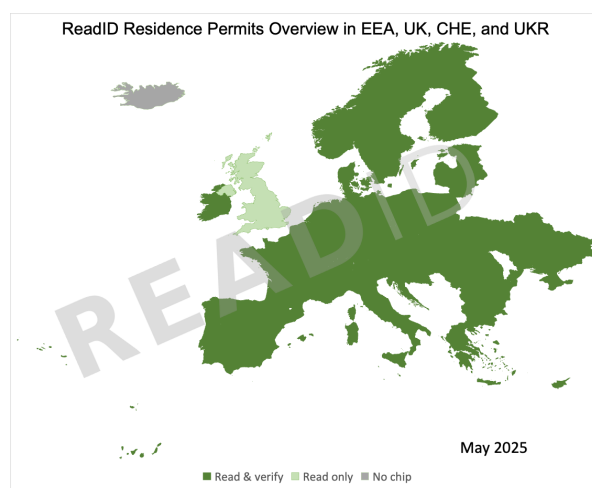


*Figure 5. ReadID coverage on residence permits in EEA, UK, Switzerland, and Ukraine (May 2025)*

*Table 5. ReadID coverage per country for regular residence permits in EEA, UK, Switzerland, and Ukraine*

| Country Name | 3-letter Code | Status |
|---|---|---|
| **Austria** | AUT | Read & verify |
| **Belgium** | BEL | Read & verify |
| **Bulgaria** | BGR | Read & verify |
| **Croatia** | HRV | Read & verify |
| **Cyprus** | CYP | Read & verify |
| **Czech Republic** | CZE | Read & verify |
| **Germany** | D<< | Read & verify |
| **Denmark** | DNK | Read & verify |
| **Estonia** | EST | Read & verify |
| **Finland** | FIN | Read & verify |
| **France** | FRA | Read & verify |
| **Greece** | GRC | Read & verify |
| **Hungary** | HUN | Read & verify |
| **Ireland** | IRL | Read & verify |
| **Italy** | ITA | Read & verify |

| Country Name | 3-letter Code | Status |
| --- | --- | --- |
| **Lithuania** | LTU | Read & verify |
| **Luxembourg** | LUX | Read & verify |
| **Latvia** | LVA | Read & verify |
| **Malta** | MLT | Read & verify |
| **Netherlands** | NLD | Read & verify |
| **Poland** | POL | Read & verify |
| **Portugal** | PRT | Read & verify |
| **Romania** | ROU | Read & verify |
| **Slovakia** | SVK | Read & verify |
| **Slovenia** | SVN | Read & verify |
| **Spain** | ESP | Read & verify |
| **Sweden** | SWE | Read & verify |
| **Iceland** | ISL | No chip |
| **Norway** | NOR | Read & verify |
| **Liechtenstein** | LIE | No chip |
| **Switzerland** | CHE | Read & verify |
| **United Kingdom** | GBR | Read only |
| **Ukraine** | UKR | Read & verify |

inverid

# 7 ReadID Coverage of Passports in Africa

In the last few years, many African countries have migrated or started to migrate from old passports without chips to ePassports.

By May 2025, 45 out of 55 countries and regions in Africa issue ePassports to their ordinary citizens. ReadID can again read all the ePassports. More African countries are publishing their country signing certificates publicly. With the current default CSCs list, ReadID can verify all ePassports from Algeria, Botswana, Cameroon, Kenya, Morocco, Côte d'Ivoire, Rwanda, Seychelles, Tanzania, Zimbabwe, Uganda, and Saint Helena. We can verify part of the passports from Benin. Unfortunately, we still miss the certificates from the rest of the 32 countries and cannot verify the authenticity of their ePassports.
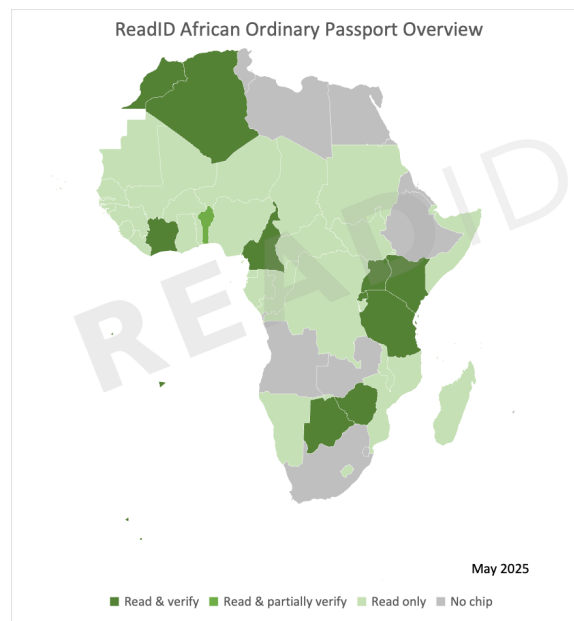


*Figure 6. ReadID coverage on ordinary passports from Africa (May 2025)*

*Table 6. ReadID coverage per country for ordinary passports from Africa*

| Country Name | 3-letter Code | Status |
|---|---|---|
| Algeria | DZA | Read & verify |
| Angola | AGO | No chip |
| Benin | BEN | Read only |
| Botswana | BWA | Read & verify |
| Benin | BEN | Read & partially verify |
| Botswana | BWA | Read & verify |
| Burkina Faso | BFA | Read only |
| Burundi | BDI | Read only |
| Cameroon | CMR | Read & verify |
| Cape Verde | CPV | Read only |
| Central African Republic | CAF | Read only |
| Chad | TCD | Read only |
| Comoros | COM | Read only |

| Country Name | 3-letter Code | Status |
|---|---|---|
| **Republic of the Congo** | COG | Read only |
| **Congo (Democratic Republic of the)** | COD | Read only |
| **Côte d'Ivoire** | CIV | Read & verify |
| **Djibouti** | DJI | Read only |
| **Egypt** | EGY | No chip |
| **Equatorial Guinea** | GNQ | Read only |
| **Eritrea** | ERI | No chip |
| **Ethiopia** | ETH | No chip |
| **Gabon** | GAB | Read only |
| **Gambia** | GMB | Read only |
| **Ghana** | GHA | Read only |
| **Guinea** | GIN | Read only |
| **Guinea-Bissau** | GNB | Read only |
| **Kenya** | KEN | Read & verify |
| **Lesotho** | LSO | Read only |
| **Liberia** | LBR | Read only |
| **Libya** | LBY | No chip |
| **Madagascar** | MDG | Read only |
| **Malawi** | MWI | Read only |
| **Mali** | MLI | Read only |
| **Mauritania** | MRT | Read only |
| **Mauritius** | MUS | No chip |
| **Morocco** | MAR | Read & verify |
| **Mozambique** | MOZ | Read only |
| **Namibia** | NAM | Read only |
| **Niger** | NER | Read only |
| **Nigeria** | NGA | Read only |
| **Rwanda** | RWA | Read & verify |
| **Saint Helena** | SHN | Read & verify |
| **Sao Tome and Principe** | STP | Read only |
| **Senegal** | SEN | Read only |
| **Seychelles** | SYC | Read & verify |
| **Sierra Leone** | SLE | Read only |
| **Somalia** | SOM | Read only |
| **South Africa** | ZAF | No chip |
| **South Sudan** | SSD | Read only |
| **Sudan** | SDN | Read only |
| **Swaziland** | SWZ | No chip |
| **Tanzania** | TZA | Read & verify |
| **Togo** | TGO | Read only |
| **Tunisia** | TUN | No chip |
| **Uganda** | UGA | Read & verify |
| **Zambia** | ZMB | No chip |
| **Zimbabwe** | ZWE | Read & verify |